PCT

REQUEST

For receiving Office use only
International Application No.
International Filing Date
Name of receiving Office and "PCT International Application"

The undersigned requests that the present international application be processed according to the Patent Cooperation Treaty. Applicant's or agent's file reference K-1JST-OS (if desired) (12 characters maximum) Box No. I TITLE OF INVENTION INDUCTION OF DIFFERENTIATION OF STEM CELLS, AND CONTROL OF DIFFERENTIATION POTENCY OF STEM CELLS **APPLICANT** This person is also inventor Box No. II Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below.) Telephone No. Facsimile No. Japan Science and Technology Agency Teleprinter No. 1-8. Honcho 4-chome, Kawaguchi-shi, SAITAMA 332-0012 JAPAN Applicant's registration No. with the Office State (that is, country) of nationality: State (that is, country) of residence: **JAPAN JAPAN** This person is applicant for the purposes of: all designated States all designated States except the United States of America the United States the States indicated in the Supplemental Box of America only Box No. III FURTHER APPLICANT(S) AND/OR (FURTHER) INVENTOR(S) Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below.) This person is: applicant only applicant and inventor Masuo OBINATA inventor only (If this check-box is marked, do not fill in below.) 3-10-402. Hachiman 5-chome. Aoba-ku. Sendai-shi, MIYAGI 980-0871 JAPAN Applicant's registration No. with the Office State (that is, country) of residence: State (that is, country) of nationality: JAPAN **JAPAN** the States indicated in the Supplemental Box This person is applicant all designated States all designated States except the United States of America the United States of America only for the purposes of: Further applicants and/or (further) inventors are indicated on a continuation sheet. Box No. IV AGENT OR COMMON REPRESENTATIVE; OR ADDRESS FOR CORRESPONDENCE The person identified below is hereby/has been appointed to act on behalf of the applicant(s) before the competent International Authorities as: common representative agent Name and address: (Family name followed by given name; for a legal entity, full official designation.

The address must include postal code and name of country.) Telephone No. 03-3585-2256 (6078) Heikichi ODAJIMA, Patent Attorney Facsimile No. 81-3-3582-3521 (9429) Kouki FUJII, Patent Attorney Teleprinter No. Odajima Patent Office, Nippon Jitensha Bldg., 9-15, Akasaka 1-chome, Minato-ku, Agent's registration No. with the Office TOKYO 107-0052 JAPAN Address for correspondence: Mark this check-box where no agent or common representative is/has been appointed and the space above is used instead to indicate a special address to which correspondence should be sent.

Continuation of Box No. III FURTHER APPLICANT(S) AND/OR (FURTHER) INVENTOR(S)				
If none of the following sub-boxes is used, this sheet should not	be included in the request.			
Name and address: (Family name followed by given name; for a legal entity the address must include postal code and name of country. The country of the Box is the applicant's State (that is, country) of residence if no State of residence. Yoshihisa SUZUKI 11-7, Komatsushima 2-chome, Aoba-ku Sendai-shi, MIYAGI 981-0905 JAPAN	address indicated in this is indicated below.) applicant only applicant and invent inventor only (If this	check-box in below.)		
State (that is, country) of nationality: JAPAN	State (that is, country) of residence: JAPAI	N		
This person is applicant all designated all designated	States except the United States the St	ates indicated in applemental Box		
Name and address: (Family name followed by given name; for a legal entit The address must include postal code and name of country. The country of th Box is the applicant's State (that is, country) of residence if no State of residence	address indicated in this	check-box in below.)		
State (that is, country) of nationality:	State (that is, country) of residence:			
This person is applicant all designated all designated for the purposes of:		ates indicated in applemental Box		
Name and address: (Family name followed by given name; for a legal entit The address must include postal code and name of country. The country of th Box is the applicant's State (that is, country) of residence if no State of residenc	address indicated in this	check-box in below.)		
State (that is, country) of nationality: State (that is, country) of residence:				
This person is applicant all designated all designated for the purposes of:		ates indicated in upplemental Box		
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State (that is, country) of nationality:	State (that is, country) of residence:			
This person is applicant all designated all designated for the purposes of:		ates indicated in applemental Box		
Further applicants and/or (further) inventors are indicated on another continuation sheet.				

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Box No. V DESIGNATIONS				
The filing of this request con filing date, for the grant of e	stitutes under Rule 4.9(a), the very kind of protection available.	e designation of all Controle and, where applicable,	racting States bound by the for the grant of both reg	e PCT on the international ional and national patents.
However,				
DE Germany is not d	esignated for any kind of natio	onal protection		
KR Republic of Kore	a is not designated for any kir	nd of national protection		
RU Russian Federation	n is not designated for any ki	nd of national protection		
the national law, of an earlie	be used to exclude (irrevocable er national application from wh s in these and certain other St	hich priority is claimed. S	rned in order to avoid the See the Notes to Box No. V	ceasing of the effect, under as to the consequences of
Box No. VI PRIORITY	CLAIM			
The priority of the following	gearlier application(s) is hereb	y claimed:		
Filing date	Number	Where earlier application is:		is:
of earlier application (day/month/year)	of earlier application	national application: country or Member of WTO	regional application:* regional Office	international application: receiving Office
item (1) March 25, 2003	Patent Application No. 2003-83106	JAPAN		
item (2) March 31, 2003	Patent Application No. 2003-95242	JAPAN		
item (3)				·
Further priority claims	are indicated in the Supplemen	ntal Box.		
The receiving Office is requested to prepare and transmit to the International Bureau a certified copy of the earlier application(s) (only if the earlier application was filed with the Office which for the purposes of this international application is the receiving Office) identified above as:				rlier application(s) (only if ecceiving Office) identified
all items it	em (1) item (2)	item (3)	other, se	ee Supplemental Box
* Where the earlier applicati Industrial Property or one M	on is an ARIPO application, in Tember of the World Trade Or	dicate at least one country ganization for which that e	y party to the Paris Conve earlier application was fil	ention for the Protection of led (Rule 4.10(b)(ii)):
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Box No. VII INTERNAT	TIONAL SEARCHING AUT	HORITY		
Choice of International Searching Authority (ISA) (if two or more International Searching Authorities are competent to carry out the international search, indicate the Authority chosen; the two-letter code may be used):				competent to carry out the
ISA/JP				
Request to use results of earlier search; reference to that search (if an earlier search has been carried out by or requested from the International Searching Authority):				
Date (day/month/year) Number Country (or regional Office)				
Box No. VIII DECLARATIONS				
The following declarations are contained in Boxes Nos. VIII (i) to (v) (mark the applicable check-boxes below and indicate in the right column the number of each type of declaration): Number of declarations				
Box No. VIII (i) Declaration as to the identity of the inventor :				
Box No. VIII (ii) Declaration as to the applicant's entitlement, as at the international filing date, to apply for and be granted a patent :				
Box No. VIII (iii) Declaration as to the applicant's entitlement, as at the international filing date, to claim the priority of the earlier application :				:
Box No. VIII (iv) Declaration of inventorship (only for the purposes of the designation of the United States of America):				
Box No. VIII (v) Declaration as to non-prejudicial disclosures or exceptions to lack of novelty :				

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Box No. IX CHECK LIST; LANGUAGE OF FILING			
This international application contains: (a) in paper form, the following number of sheets:	item(s) (ma right colum	ark the application is accompanied by the following ark the applicable check-boxes below and indicate in in the number of each item):	Number of items
request (including declaration sheets) : 4 description (excluding sequence listing and/or tables related thereto) : 35 claims : 4 abstract : 1 drawings : 6 Sub-total number of sheets : 50 sequence listing : 2 tables related thereto : 0 (for both, actual number of sheets if filed in paper form,	1. M fear part part part part part part part pa	e calculation sheet stent revenue stamps rtificate of payment of fee siginal separate power of attorney siginal general power of attorney spy of general power of attorney; reference number, any: stement explaining lack of signature siority document(s) identified in Box No. VI as sm(s): smslation of international application into singuage): sparate indications concerning deposited microorgani	
whether or not also filed in computer readable form; see (c) below)	9. 1 se	other biological material quence listing in computer readable form	:
Total number of sheets : 52 (b) only in computer readable form (Section 801(a)(i)) (i) sequence listing (ii) tables related thereto (c) also in computer readable form (Section 801(a)(ii)) (i) sequence listing (ii) tables related thereto Type and number of carriers (diskette, CD-ROM, CD-R or other) on which are contained the sequence listing: tables related thereto: (additional copies to be indicated under items 9(ii) and/or 10(ii), in right column) Figure of the drawings which should accompany the abstract: Box No. X SIGNATURE OF APPLICAN	(i) \[\frac{1}{2} \] (ii) \[\] (iii) \[\] 10. \[\] tat \(iii) \[\] (ii) \[\] (iii) \[\] 11. \[\frac{1}{2} \] Language internations TT, AGENT Cogning and the cap	copy submitted for the purposes of international sear Rule 13ter only (and not as part of the international a additional copies including, where applicable, the copurposes of international search under Rule 13ter of the international search under Rule 13ter additional copies including, where applicable, the copurposes of international search under Rule 13ter together with relevant statement as to the identity of copies with the sequence listing mentioned in left copies in computer readable form related to sequence list in computer readable form related to sequence list in copy submitted for the purposes of international sear Section 802(b-quater) only (and not as part of the in application) (only where check-box (b)(ii) or (c)(ii) is marked in left additional copies including, where applicable, the copurposes of international search under Section 802(lefter with relevant statement as to the identity of copies with the tables mentioned in left column ther (specify): Information such as recording form of filling of the all application: DR COMMON REPRESENTATIVE pacity in which the person signs (if such capacity is not obvious for the pacity in which the person signs (if such capacity is not obvious for the pacity in which the person signs (if such capacity is not obvious for the pacity in which the person signs (if such capacity is not obvious for the pacity in which the person signs (if such capacity is not obvious for the pacity in which the person signs (if such capacity is not obvious for the pacity in which the person signs (if such capacity is not obvious for the pacity in which the person signs (if such capacity is not obvious for the pacity in which the person signs (if such capacity is not obvious for the pacity in which the person signs (if such capacity is not obvious for the pacity in which the person signs (if such capacity is not obvious for the pacity in which the person signs (if such capacity is not obvious for the pacity in t	application): 1 olumn) ppy for the the copy or lumn : 1 ting rch under ternational : column) ppy for the b-quater) : the copy or exible disk : 1
Heikichi ODAJIMA (Sealed) Kouki FUJII (Sealed)			
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Date of actual receipt of the purported international application:		Drawings: received:	
3. Corrected date of actual receipt due to later but timely received papers or drawings completing the purported international application:			
4. Date of timely receipt of the required corrections under PCT Article 11(2):		not received:	
5. International Searching Authority (if two or more are competent): ISA/JP 6. Transmittal of search copy delayed until search fee is paid			
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